UNITED STATES PATENT AND TRADEMARK OFFICE

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7590 07/27/2005	EXAMINER
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ART UNIT	PAPER NUMBER
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DATE MAILED: 07/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>29 April 2005</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20, 22-52, 54-95, 97-128 and 130-132* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20, 22-52, 54-95, 97-128 and 130-132* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Response to Arguments

1.   Applicant's arguments filed 04/29/05 have been fully considered but they are not persuasive. The amendment to claims 1, 22, 23, 25, 26, 54, 55, 56, 66, 72, 97 and 98 do not overcome the prior art of record **Humpleman et al (6,603,488)** for the following reasons.

Humpleman further teaches that the DTV 102 behaves as client and the home devices DVCR, DVD, DSS-NIU, etc., behave as servers "computing systems" (col. 6, lines 58-64) and any DTV 102 (Dad's DTV, etc.,) can control set of devices or servers or "computing systems" (DVCR, DVD, VCR, etc.,) common located in a specific room or a location.

Hence, a rejection is hereby being made using the same reference, Humpleman, as Humpleman reference still meets the amended claim limitations, including the previously presented claims and newly added claim. This office action is made Final.

Claim Rejections - 35 USC § 102

2.   ·   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3.   Claims 1-11, 13-20, 22-46, 48-52, 54-73, 77-95, 97-99, 103-128 and 130-

132, are rejected under 35 U.S.C. 102(e) as being anticipated by **Humpleman et al**

(6,603,488).

As to claim 1, note the **Humpleman et al** figure 1, disclose a method and system

for commanding and controlling diverse home devices and further disclose a computer

network, comprising:

the claimed "a plurality of interconnected nodes, each one of the plurality of

nodes a corresponding data terminal equipment (DTE) device coupled thereto,..." are

met by IEEE 1394 bus 114 Nodes of Network (1394 Nodes) 100 (fig. 1, 7, col. 4, lines

48-59 and col. 14, lines 20-32), which are interconnecting nodes, each one of the

plurality of nodes having a corresponding Digital Television (DTV) 102 (Dads TV;

Basement TV; Jims TV, PCs, etc., figs. 7-10) and other devices (Digital Video Device

(DVD) 108, Digital Video Cassette (DVCR) 110, DSS-NIU 104) "data terminal

equipment (DTE) device" coupled thereto (col. 5, line 66-col. 6, line 13); note that

Devices in the various Rooms with display capability (Dads TV; Basement TV; Jims TV,

PCs, etc., col. 19, lines 11-31) acts as a client, human interface and session manager to

remotely control functions of any devices (or servers) on Network (NW) 100 (col. 6, lines

58-64 and col. 15, lines 23-28), where a user arranges device images in groups

according to respective home device placement, e.g., room by room

transmitting/receiving audio/video (AV) and control/command (CC) signals to/from

devices connected to NW 100 (col. 5, lines 54-59), where DTV 102 "each of the corresponding DTE devices," comprises:

the claimed "a computing system located at a first location" is met by Home Server 150 or DHCP Server 106 (H/DHCP 150/106) (col. 7, lines 1-11, col. 11, lines 26-41 and col. 14, line 20-33), which is a computing system located in a first location (Room-1);

the claimed "a human interface located remotely from the first location," is met by DTV 102 or a Personal Computer (PC) (col. 6, lines 15-27 and 58-64), which is located remotely in another location (Room-2) from Room-1 and provides "human interface" to Network (NW) 100, where DTV 102 or PC comprising a screen display unit "display device" and a mouse or other point-and-click device "an input/output ("I/O") device" (col. 5, lines 21-32, col. 7, lines 39-51 and col. 8, lines 47-53), note that the DTV 102 is coupled to Screen or Display Unit of DTV 102 and also to a mouse and DTV 102 remotely controls Devices (or servers) connected to NW 100;

the claimed "a first interface device operable coupled to the computing system;" is met by DTV 102 (col. 6, lines 15-22), note that DTV 102 is the first interface device coupled to H/DHCP 150/106 and includes a Screen or display "a human interface" for displaying HTML pages and also, a receiver/transmitter (col. 7, lines 1-5, lines 18-24 and lines 39-51) which receives and interprets the HTML files associated with DVD 108, DVCR 110, etc.;

the claimed "a second interface device operable to couple to the display device and the I/O device..." is met by DVD 108, Dad's DTV or DVCR 110 (col. 6, lines 7-13

and lines 58-64), which is a second interface device coupled to Screen or Display Unit

and mouse of DTV 102;

the claimed "at least one transmission line operable to couple the first and

second interface devices;" is met by IEEE 1394 bus 114 (col. 5, line 54-col. 6, line 6 and

lines 28-45), which is the transmission line coupled to DTV 102, DVD 108, DVCR 110,

etc.;

where the DTV 102 device is operable to receive from H/DHCP 150/106 a video

signal via satellite and Direct Broadcast Satellite Services (DBSS) 104 to be transmitted

to DTV 102 Screen or Display Unit and control/command (CC) information "non-video

signal" (col. 7, lines 3-7 and lines 39-51) to be transmitted to the mouse, and convert

each of the video signal and CC information into a format suitable for transmission to

the DVD 108, DVCR 110, etc.; note that the external network signals, such as

video/audio signals received at DBSS 104 and IP signals received at Internet Proxy

1104, and other signals generated at the various home devices, are convert to IEEE

1394 format, protocol or standards, to enable signals to be communicated, over the

1394 cabling network, between devices connected to NW 100, furthermore the signals

are convert back to original format and displayed on the various display devices (col. 4,

lines 48-63 and col. 5, line 54-col. 6, line 10);

where the DTV 102 is operable to transmit the converted video signal and the

converted CC information to DVD 108, DVCR 110, etc., via 1394 bus 114; and where

DVD 108, DVCR 110, etc., is operable to receive the converted AV signal and

converted CC information from DTV 102 to provide the video signal and CC information

to the DTV 102's Screen or display unit and the mouse device, respectively; note that video and CC signals are transmitted over the 1394 NW bus 114 to all video devices connected to NW 100 (col. 19, lines 43-65, col. 20, lines 21-30 and lines 45-62); and

Humpleman further teaches that the DTV 102 behaves as client and the home devices DVCR, DVD, DSS-NIU, etc., behaves as servers "computing systems" (col. 6, lines 58-64) and any DTV 102 (Dad's DTV, etc.,) can control set of devices or servers or "computing systems" (DVCR, DVD, VCR, etc.,) common located in a specific room or one location (figs. 7, 10-11 and col. 14, lines 20-43).

As to claims 2 and 3, Humpleman further discloses where the H/DHCP 150/106 generates video signal and CC signal in a first format for transmission to DTV 102, or other display units, and where the DTV 102 is operable to receive the video signal and CC signal in the first format and convert each of the video signal and the CC signal into a second format suitable for transmission to other display units and transmits/receive signals over distances greater than 10 feet (col. 4, lines 48-63 and col. 5, line 54-col. 6, line 10); note that the various home devices includes convert signals AV and CC signals into IEEE 1394 format for receiving/transmitting over the IEEE 1394 cabling and to other formats for displaying on the various display units.

Claims 4 and 5 are met as previously discussed with respect to claim 1.

As to claims 6 and 7, Humpleman further discloses where the DTV 102 is operable to encode the video signal and CC signals into IEEE 1394 format for transmission to Dad's DTV, DVCR, DVD, etc., where Dad's DTV, DVCR, DVD, etc is operable to decode the encoded video signal and the encoded CC signals to reproduce

the AV signal and CC signals to DTV 102, PCs and other DTVs and mouse,

respectively (col. 14, line 49-col. 15, line 2); note the various devices receives/transmits

the IEEE 1394 signals and decodes/encodes into a format suitable for presentation on

respective display device.

As to claim 8, Humpleman further discloses where IEEE 1394 cabling system

comprises a first transmission line to transmit/receive video signals between devices

and a second transmission line to transmit/receive CC signals and other data between

devices (col. 5, lines 54-65).

As to claims 9-11, Humpleman further discloses where DTV 102 is operable to

combine the video (AV) signal and the CC signal into AV/CC signal to 1394 format for

transmission to other devices over the 1394 cabling system, where the AV/CC signals

are transmitted via the 1394 to other devices which performs identical functions as DTV

102, i.e., encoding/decoding AV/CC signals to enable the devices to display video and

interactive icons simultaneously (col. 5, lines 18-32, lines 54-65, col. 8, line 47-col. 9,

line 9 and col. 17, lines 2-22), note that the IEEE 1394 comprises various transmission

lines for transmitting, data, video, audio, telephone signals, etc.,

As to claim 13, Humpleman further discloses where the 1394 cable interconnects

the plurality of devices (col. 5, lines 54-65).

As to claim 14, Humpleman further discloses where the H/DHCP server

comprises a computer chassis and a processor "one computing system component"

housed in the computer chassis and coupled to DTV 102 (figs. 3 and col. 11, lines

26-41).

As to claim 15, Humpleman further discloses where the I/O device of the DTV 102 further comprises a mouse (col. 5, lines 28-32).

Claim 16 is met as previously discussed with respect to claim 3.

Claim 17 is met as previously discussed with respect to claims 6 and 7.

Claim 18 is met as previously discussed with respect to claims 6 and 7.

Claim 19 is met as previously discussed with respect to claim 3.

Claim 20 is met as previously discussed with respect to claims 6 and 7.

As to claims 22 and 23, Humpleman further discloses where the computing systems of DVD, DVCR, VCR, etc., are housed together in a shared room.

As to claim 24, Humpleman inherently discloses where the common support structure is a computer rack.

Claim 25 is met as previously discussed with respect to claim 21.

As to claim 26, note the **Humpleman et al** figure 1, disclose a method and system for commanding and controlling diverse home devices and further disclose a computer network, comprising:

the claimed "a plurality of interconnected nodes, each one of the plurality of nodes a corresponding data terminal equipment (DTE) device coupled thereto,..." are met by IEEE 1394 bus 114 Nodes of Network (1394 Nodes) 100 (fig. 1, 7, col. 4, lines 48-59 and col. 14, lines 20-32), which are interconnecting nodes, each one of the plurality of nodes having a corresponding Digital Television (DTV) 102 (Dads TV; Basement TV; Jims TV, PCs, etc., figs. 7-10) and other devices (Digital Video Device (DVD) 108, Digital Video Cassette (DVCR) 110, DSS-NIU 104) "data terminal

equipment (DTE) device" coupled thereto (col. 5, line 66-col. 6, line 13); note that

Devices in the various Rooms with display capability (Dads TV; Basement TV; Jims TV,

PCs, etc., col. 19, lines 11-31) acts as a client, human interface and session manager to

remotely control functions of any devices (or servers) on Network (NW) 100 (col. 6, lines

58-64 and col. 15, lines 23-28), where a user arranges device images in groups

according to respective home device placement, e.g., room by room

transmitting/receiving audio/video (AV) and control/command (CC) signals to/from

devices connected to NW 100 (col. 5, lines 54-59), where DTV 102 "each DTE devices,"

comprises:

the claimed "a computing system located at a first location" is met by Home

Server 150 or DHCP Server 106 (H/DHCP 150/106) (col. 7, lines 1-11, col. 11, lines 26-

41 and col. 14, line 20-33), which is a computing system located in a first location

(Room-1);

the claimed "a human interface located remotely from the first location," is met by

DTV 102 or a Personal Computer (PC) (col. 6, lines 15-27 and 58-64), which is located

remotely in another location (Room-2) from Room-1 and provides human interface to

Network (NW) 100, where DTV 102 or PC comprising a screen display unit "display

device" and a mouse or other point-and-click device "an input/output ("I/O") device" (col.

5, lines 21-32, col. 7, lines 39-51 and col. 8, lines 47-53), note that the DTV 102 is

coupled to Screen or Display Unit of DTV 102 and also to a mouse;

the claimed "a first interface device operable coupled to the computing system;"

is met by DTV 102 (col. 6, lines 15-22), note that DTV 102 is the first interface device

coupled to H/DHCP 150/106 and includes a Screen or display "a human interface" for

displaying HTML pages and also, a receiver/transmitter (col. 7, lines 1-5, lines 18-24

and lines 39-51) which receives and interprets the HTML files associated with DVD 108,

DVCR 110, etc.;

the claimed "a second interface device operable to couple to the display device

and the I/O device..." is met by DVD 108 or DVCR 110 (col. 6, lines 7-13 and lines·

58-64), which is a second interface device coupled to Screen or Display Unit and mouse

of DTV 102;

the claimed "at least one transmission line operable to couple the first and

second interface devices;" is met by IEEE 1394 bus 114 (col. 5, line 54-col. 6, line 6 and

lines 28-45), which is the transmission line coupled to DTV 102, DVD 108, DVCR 110,

etc.;

where the DTV 102 device is operable to receive Graphic User Interface (GUI) of

icons in HTML page and control/command information "human interface signals"

generated by H/DHCP 150/106 and convert the GUI of icons, control/command

information into a format suitable for transmission to the DVD 108, DVCR 110, etc.; and

where the DVD 108, DVCR 110, etc., is operable to receive the control/command

information from DTV 102 and convert the GUI of icons or HTML page into a format

suitable for transmission to the DTV 102 Screen or Display Unit; note that the external

network signals, such as video/audio signals received at DBSS 104 and IP signals

received at Internet Proxy 1104, and other signals generated at the various home

devices, are convert to IEEE 1394 format, protocol or standards, to enable signals to be

communicated, over the 1394 cabling network, between devices connected to NW 100

(col. 4, lines 48-63 and col. 5, line 54-col. 6, line 10); furthermore video/audio and

control/command signals are transmitted over the 1394 NW bus 114 to all video/audio

devices connected to NW 100 (col. 19, lines 43-65, col. 20, lines 21-30 and lines 45-62);

and

Humpleman further teaches that the DTV 102 behaves as client and the home

devices DVCR, DVD, DSS-NIU, etc., behaves as servers "computing systems" (col. 6,

lines 58-64) and any DTV 102 (Dad's DTV, etc.,) can control set of devices or servers or

"computing systems" (DVCR, DVD, VCR, etc.,) common located in a specific room or

one location (figs. 7, 10-11 and col. 14, lines 20-43).

Claim 27 is met as previously discussed with respect to claim 2.

Claim 28 is met as previously discussed with respect to claim 2.

Claim 29 is met as previously discussed with respect to claim 2.

Claim 30 is met as previously discussed with respect to claim 2.

Claim 31 is met as previously discussed with respect to claims 6 and 7.

As to claim 32, Humpleman further discloses where the DTV 102 or PCs

comprises an interactive GUI, mouse or other point-and-click device "a plurality of

human interface devices" and where CC signals comprises a plurality of CC signals,

i.e., interactive GUI, mouse or other point-and-click, "plurality of human interface

signals" corresponding to an interactive GUI, mouse or other point-and-click device (col.

5, lines 18-40).

As to claims 33-37, Humpleman further discloses where the DTV 102 receives
the plurality of CC signals generated by H/DHCP Server and converts the plurality of
CC signals into IEEE 1394 format for transmission to other devices, such as Dads TV,
DVCR, etc., and where the Dads TV, DVCR, etc., receives the plurality of CC signals
from the DTV 102 and convert the plurality of CC signals into a IEEE 1394 format for
transmission to DTV 102 or Dads or Jims TV (col. 4, lines 48-63 and col. 5, line 54-col.
6, line 10); note that the various home devices includes convert signals AV and CC
signals into IEEE 1394 format for receiving/transmitting over the IEEE 1394 cabling and
to other formats for displaying on the various display units.

Claims 38-39 are met as previously discussed with respect to claims 8 and 9.

Claim 40 is met as previously discussed with respect to claim 33.

Claim 41 is met as previously discussed with respect to claims 8 and 9.

Claim 42 is met as previously discussed with respect to claim 32.

Claim 43 is met as previously discussed with respect to claim 32.

Claim 44 is met as previously discussed with respect to claim 32.

Claim 45 is met as previously discussed with respect to claims 8 and 9.

Claim 46 is met as previously discussed with respect to claims 17 and 18.

Claim 48 is met as previously discussed with respect to claim 3.

Claim 49 is met as previously discussed with respect to claim 17.

Claim 50 is met as previously discussed with respect to claim 33.

Claim 51 is met as previously discussed with respect to claim 3.

Claim 52 is met as previously discussed with respect to claim 4.

Claim 54 is met as previously discussed with respect to claim 22.

As to claim 55, note the **Humpleman et al** figure 1, disclose a method and

system for commanding and controlling diverse home devices and further disclose a

computer network, comprising:

the claimed "a plurality of interconnected nodes, each one of the plurality of

nodes a corresponding data terminal equipment (DTE) device coupled thereto,..." are

met by IEEE 1394 bus 114 Nodes of Network (1394 Nodes) 100 (fig. 1, 7, col. 4, lines

48-59 and col. 14, lines 20-32), which are interconnecting nodes, each one of the

plurality of nodes having a corresponding Digital Television (DTV) 102 (Dads TV;

Basement TV; Jims TV, PCs, etc., figs. 7-10) and other devices (Digital Video Device

(DVD) 108, Digital Video Cassette (DVCR) 110, DSS-NIU 104) "data terminal

equipment (DTE) device" coupled thereto (col. 5, line 66-col. 6, line 13); note that

Devices in the various Rooms with display capability (Dads TV; Basement TV; Jims TV,

PCs, etc., col. 19, lines 11-31) acts as a client, human interface and session manager to

remotely control functions of any devices (or servers) on Network (NW) 100 (col. 6, lines

58-64 and col. 15, lines 23-28), where a user arranges device images in groups

according to respective home device placement, e.g., room by room

transmitting/receiving audio/video (AV) and control/command (CC) signals to/from

devices connected to NW 100 (col. 5, lines 54-59), where DTV 102 "each DTE devices,"

comprises:

the claimed "a computing system located at a first location" is met by Home

Server 150 or DHCP Server 106 (H/DHCP 150/106) (col. 7, lines 1-11, col. 11, lines 26-

41 and col. 14, line 20-33), which is a computing system located in a first location

(Room-1);

the claimed "a human interface located remotely from the first location," is met by

DTV 102 or a Personal Computer (PC) (col. 6, lines 15-27 and 58-64), which is located

remotely in another location (Room-2) from Room-1 and provides "human interface" to

Network (NW) 100, where DTV 102 or PC comprising a screen display unit "display

device" and a mouse or other point-and-click device "an input/output ("I/O") device" (col.

5, lines 21-32, col. 7, lines 39-51 and col. 8, lines 47-53), note that the DTV 102 is

coupled to Screen or Display Unit of DTV 102 and also to a mouse and DTV 102

remotely controls Devices (or servers) connected to NW 100;

the claimed "a first interface device operable coupled to the computing system;"

is met by DTV 102 (col. 6, lines 15-22), note that DTV 102 is the first interface device

coupled to H/DHCP 150/106 and includes a Screen or display "a human interface" for

displaying HTML pages and also, a receiver/transmitter (col. 7, lines 1-5, lines 18-24

and lines 39-51) which receives and interprets the HTML files associated with DVD 108,

DVCR 110, etc.;

the claimed "a second interface device operable to couple to the display device

and the I/O device..." is met by DVD 108 or DVCR 110 (col. 6, lines 7-13 and lines

58-64), which is a second interface device coupled to Screen or Display Unit and mouse

of DTV 102; and

the claimed "at least one transmission line operable to couple the first and

second interface devices;" is met by IEEE 1394 bus 114 (col. 5, line 54-col. 6, line 6 and

lines 28-45), which is the transmission line coupled to DTV 102, DVD 108, DVCR 110,

etc.; where the DTV 102 device is operable to convert video signals, via satellite and

Direct Broadcast Satellite Services (DBSS) 104, generated by H/DHCP 150/106 into a

format suitable for transmission to DVD 108, DVCR 110, etc., via 1394 bus 114 (col. 7,

lines 3-7 and lines 39-51); where DVD 108, DVCR 110, etc., is operable to convert

signals received from DTV 102 into a format suitable for transmission via 1394 NW bus

114 to other DTVs 102, PCs with display capability (col. 7, lines 3-7 and lines 39-51);

note that the external network signals, such as video/audio signals received at DBSS

104 and IP signals received at Internet Proxy 1104, and other signals generated at the

various home devices, are convert to IEEE 1394 format, protocol or standards, to

enable signals to be communicated, over the 1394 cabling network, between devices

connected to NW 100 (col. 4, lines 48-63 and col. 5, line 54-col. 6, line 10); furthermore

video/audio and control/command signals are transmitted over the 1394 NW bus 114 to

all video/audio devices connected to NW 100 (col. 19, lines 43-65, col. 20, lines 21-30

and lines 45-62); and

Humpleman further teaches that the DTV 102 behaves as client and the home

devices DVCR, DVD, DSS-NIU, etc., behaves as servers "computing systems" (col. 6,

lines 58-64) and any DTV 102 (Dad's DTV, etc.,) can control set of devices or servers or

"computing systems" (DVCR, DVD, VCR, etc.,) common located in a specific room or

one location (figs. 7, 10-11 and col. 14, lines 20-43).

As to claim 56, note the **Humpleman et al** figure 1, disclose a method and

system for commanding and controlling diverse home devices and further disclose a

computer network, comprising:

the claimed "a plurality of interconnected nodes, each one of the plurality of

nodes a corresponding data terminal equipment (DTE) device coupled thereto,..." are

met by IEEE 1394 bus 114 Nodes of Network (1394 Nodes) 100 (fig. 1, 7, col. 4, lines

48-59 and col. 14, lines 20-32), which are interconnecting nodes, each one of the

plurality of nodes having a corresponding Digital Television (DTV) 102 (Dads TV;

Basement TV; Jims TV, PCs, etc., figs. 7-10) and other devices (Digital Video Device

(DVD) 108, Digital Video Cassette (DVCR) 110, DSS-NIU 104) "data terminal

equipment (DTE) device" coupled thereto (col. 5, line 66-col. 6, line 13); note that

Devices in the various Rooms with display capability (Dads TV; Basement TV; Jims TV,

PCs, etc., col. 19, lines 11-31) acts as a client, human interface and session manager to

remotely control functions of any devices (or servers) on Network (NW) 100 (col. 6, lines

58-64 and col. 15, lines 23-28), where a user arranges device images in groups

according to respective home device placement, e.g., room by room

transmitting/receiving audio/video (AV) and control/command (CC) signals to/from

devices connected to NW 100 (col. 5, lines 54-59), where DTV 102 "each DTE devices,"

comprises:

the claimed "a computing system located at a first location" is met by Home

Server 150 or DHCP Server 106 (H/DHCP 150/106) (col. 7, lines 1-11, col. 11, lines 26-

41 and col. 14, line 20-33), which is a computing system located in a first location

(Room-1);

the claimed "a human interface located remotely from the first location," is met by

DTV 102 or a Personal Computer (PC) (col. 6, lines 15-27 and 58-64), which is located

remotely in another location (Room-2) from Room-1 and provides "human interface" to

Network (NW) 100, where DTV 102 or PC comprising a screen display unit "display

device" and a mouse or other point-and-click device "an input/output ("I/O") device" (col.

5, lines 21-32, col. 7, lines 39-51 and col. 8, lines 47-53), note that the DTV 102 is

coupled to Screen or Display Unit of DTV 102 and also to a mouse and DTV 102

remotely controls Devices (or servers) connected to NW 100;

the claimed "a first interface device operable coupled to the computing system;"

is met by DTV 102 (col. 6, lines 15-22), note that DTV 102 is the first interface device

coupled to H/DHCP 150/106 and includes a Screen or display "a human interface" for

displaying HTML pages and also, a receiver/transmitter (col. 7, lines 1-5, lines 18-24

and lines 39-51) which receives and interprets the HTML files associated with DVD 108,

DVCR 110, etc.;

the claimed "a second interface device operable to couple to the display device

and the I/O device..." is met by DVD 108 or DVCR 110 (col. 6, lines 7-13 and lines

58-64), which is a second interface device coupled to Screen or Display Unit and mouse

of DTV 102; and

the claimed "at least one transmission line operable to couple the first and

second interface devices;" is met by IEEE 1394 bus 114 (col. 5, line 54-col. 6, line 6 and

lines 28-45), which is the transmission line coupled to DTV 102, DVD 108, DVCR 110, etc.; where the DTV 102 device is operable to convert video signals, via satellite and Direct Broadcast Satellite Services (DBSS) 104, generated by H/DHCP 150/106 into a format suitable for transmission to DVD 108, DVCR 110, etc., via 1394 bus 114 (col. 7, lines 3-7 and lines 39-51); where DVD 108, DVCR 110, etc., is operable to convert signals received from DTV 102 into a format suitable for transmission via 1394 NW bus 114 to other DTVs 102, PCs with display capability (col. 7, lines 3-7 and lines 39-51); note that the external network signals, such as video/audio signals received at DBSS 104 and IP signals received at Internet Proxy 1104, and other signals generated at the various home devices, are convert to IEEE 1394 format, protocol or standards, to enable signals to be communicated, over the 1394 cabling network, between devices connected to NW 100 (col. 4, lines 48-63 and col. 5, line 54-col. 6, line 10); furthermore video/audio and control/command signals are transmitted over the 1394 NW bus 114 to all video/audio devices connected to NW 100 (col. 19, lines 43-65, col. 20, lines 21-30 and lines 45-62); and

Humpleman further teaches that the DTV 102 behaves as client and the home devices DVCR, DVD, DSS-NIU, etc., behaves as servers "computing systems" (col. 6, lines 58-64) and any DTV 102 (Dad's DTV, etc.,) can control set of devices or servers or "computing systems" (DVCR, DVD, VCR, etc.,) common located in a specific room or one location (figs. 7, 10-11 and col. 14, lines 20-43).

Claim 57 is met as previously discussed with respect to claim 2.

Claim 58 is met as previously discussed with respect to claim 3.

Claim 59 is met as previously discussed with respect to claim 4.

Claims 60-61 are met as previously discussed with respect to claims 5-6.

Claim 62 is met as previously discussed with respect to claim 3.

Claim 63 is met as previously discussed with respect to claim 4.

Claims 64-65 are met as previously discussed with respect to claims 8-9.

As to claim 66, note the **Humpleman et al** figure 1, disclose a method and

system for commanding and controlling diverse home devices and further disclose a

computer network, comprising:

the claimed "a plurality of interconnected nodes, each one of the plurality of

nodes a corresponding data terminal equipment (DTE) device coupled thereto,..." are

met by IEEE 1394 bus 114 Nodes of Network (1394 Nodes) 100 (fig. 1, 7, col. 4, lines

48-59 and col. 14, lines 20-32), which are interconnecting nodes, each one of the

plurality of nodes having a corresponding Digital Television (DTV) 102 (Dads TV;

Basement TV; Jims TV, PCs, etc., figs. 7-10) and other devices (Digital Video Device

(DVD) 108, Digital Video Cassette (DVCR) 110, DSS-NIU 104) "data terminal

equipment (DTE) device" coupled thereto (col. 5, line 66-col. 6, line 13); note that

Devices in the various Rooms with display capability (Dads TV; Basement TV; Jims TV,

PCs, etc., col. 19, lines 11-31) acts as a client, human interface and session manager to

remotely control functions of any devices (or servers) on Network (NW) 100 (col. 6, lines

58-64 and col. 15, lines 23-28), where a user arranges device images in groups

according to respective home device placement, e.g., room by room

transmitting/receiving audio/video (AV) and control/command (CC) signals to/from

devices connected to NW 100 (col. 5, lines 54-59), where DTV 102 "each DTE devices,"

comprises:

the claimed "a computing system located at a first location" is met by Home

Server 150 or DHCP Server 106 (H/DHCP 150/106) (col. 7, lines 1-11, col. 11, lines 26-

41 and col. 14, line 20-33), which is a computing system located in a first location

(Room-1);

the claimed "a human interface located remotely from the first location," is met by

DTV 102 or a Personal Computer (PC) (col. 6, lines 15-27 and 58-64), which is located

remotely in another location (Room-2) from Room-1 and provides human interface to

Network (NW) 100, where DTV 102 or PC comprising a screen display unit "display

device" and a mouse or other point-and-click device "an input/output ("I/O") device" (col.

5, lines 21-32, col. 7, lines 39-51 and col. 8, lines 47-53), note that the DTV 102 is

coupled to Screen or Display Unit of DTV 102 and also to a mouse;

the claimed "a first interface device operable coupled to the computing system;"

is met by DTV 102 (col. 6, lines 15-22), note that DTV 102 is the first interface device

coupled to H/DHCP 150/106 and includes a Screen or display "a human interface" for

displaying HTML pages and also, a receiver/transmitter (col. 7, lines 1-5, lines 18-24

and lines 39-51) which receives and interprets the HTML files associated with DVD 108,

DVCR 110, etc.;

the claimed "a second interface device operable to couple to the display device

and the I/O device..." is met by DVD 108 or DVCR 110 (col. 6, lines 7-13 and lines

58-64), which is a second interface device coupled to Screen or Display Unit and mouse

of DTV 102; and

the claimed "at least one transmission line operable to couple the first and

second interface devices;" is met by IEEE 1394 bus 114 (col. 5, line 54-col. 6, line 6 and

lines 28-45), which is the transmission line coupled to DTV 102, DVD 108, DVCR 110,

etc.;

where the DVD 108 or DVCR 110 DTV 102 device is operable to receive Graphic

User Interface (GUI) of icons in HTML page and control and command information

"human interface signals" generated by H/DHCP 150/106 and convert the GUI of icons,

control and command information into a format suitable for transmission to the DTV

102; and where the DTV 102 is operable to receive the control and command

information from DVD 108, DVCR 110, etc., and convert the control signals and

commands generated from GUI of icons or HTML page into a format suitable for

transmission to the H/DHCP 150/106; note that the external network signals, such as

video/audio signals received at DBSS 104 and IP signals received at Internet Proxy

1104, and other signals generated at the various home devices, are convert to IEEE

1394 format, protocol or standards, to enable signals to be communicated, over the

1394 cabling network, between devices connected to NW 100 (col. 4, lines 48-63 and

col. 5, line 54-col. 6, line 10); furthermore video/audio and control/command signals are

transmitted over the 1394 NW bus 114 to all video/audio devices connected to NW 100

(col. 19, lines 43-65, col. 20, lines 21-30 and lines 45-62), and

Humpleman further teaches that the DTV 102 behaves as client and the home

devices DVCR, DVD, DSS-NIU, etc., behaves as servers "computing systems" (col. 6,

lines 58-64) and any DTV 102 (Dad's DTV, etc.,) can control set of devices or servers or

"computing systems" (DVCR, DVD, VCR, etc.,) common located in a specific room or

one location (figs. 7, 10-11 and col. 14, lines 20-43).

Claim 67 is met as previously discussed with respect to claim 2.

Claim 68 is met as previously discussed with respect to claims 5-6.

Claim 69 is met as previously discussed with respect to claim 3.

Claim 70 is met as previously discussed with respect to claim 4.

Claim 71 is met as previously discussed with respect to claims 5-6.

As to claims 72-73, note the **Humpleman et al** figure 1, disclose a method and

system for commanding and controlling diverse home devices and further disclose a

computer network, comprising:

the claimed "a plurality of interconnected nodes, each one of the plurality of

nodes a corresponding data terminal equipment (DTE) device coupled thereto,..." are

met by IEEE 1394 bus 114 Nodes of Network (1394 Nodes) 100 (fig. 1, 7, col. 4, lines

48-59 and col. 14, lines 20-32), which are interconnecting nodes, each one of the

plurality of nodes having a corresponding Digital Television (DTV) 102 (Dads TV;

Basement TV; Jims TV, PCs, etc., figs. 7-10) and other devices (Digital Video Device

(DVD) 108, Digital Video Cassette (DVCR) 110, DSS-NIU 104) "data terminal

equipment (DTE) device" coupled thereto (col. 5, line 66-col. 6, line 13); note that

Devices in the various Rooms with display capability (Dads TV; Basement TV; Jims TV,

PCs, etc., col. 19, lines 11-31) acts as a client, human interface and session manager to

remotely control functions of any devices (or servers) on Network (NW) 100 (col. 6, lines

58-64 and col. 15, lines 23-28), where a user arranges device images in groups

according to respective home device placement, e.g., room by room

transmitting/receiving audio/video (AV) and control/command (CC) signals to/from

devices connected to NW 100 (col. 5, lines 54-59), where DTV 102 "each of the

corresponding DTE devices," comprises:

the claimed "a computing system located at a first location" is met by Home

Server 150 or DHCP Server 106 (H/DHCP 150/106) (col. 7, lines 1-11, col. 11, lines 26-

41 and col. 14, line 20-33), which is a computing system located in a first location

(Room-1);

the claimed "a human interface located remotely from the first location," is met by

DTV 102 or a Personal Computer (PC) (col. 6, lines 15-27 and 58-64), which is located

remotely in another location (Room-2) from Room-1 and provides "human interface" to

Network (NW) 100, where DTV 102 or PC comprising a screen display unit "display

device" and a mouse or other point-and-click device "an input/output ("I/O") device" (col.

5, lines 21-32, col. 7, lines 39-51 and col. 8, lines 47-53), note that the DTV 102 is

coupled to Screen or Display Unit of DTV 102 and also to a mouse and DTV 102

remotely controls Devices (or servers) connected to NW 100;

the claimed "a first interface device operable coupled to the computing system;"

is met by DTV 102 (col. 6, lines 15-22), note that DTV 102 is the first interface device

coupled to H/DHCP 150/106 and includes a Screen or display "a human interface" for

displaying HTML pages and also, a receiver/transmitter (col. 7, lines 1-5, lines 18-24

and lines 39-51) which receives and interprets the HTML files associated with DVD 108,

DVCR 110, etc.;

the claimed "a second interface device operable to couple to the display device

and the I/O device..." is met by DVD 108 or DVCR 110 (col. 6, lines 7-13 and lines

58-64), which is a second interface device coupled to Screen or Display Unit and mouse

of DTV 102; and

the claimed "at least one transmission line operable to couple the first and

second interface devices;" is met by IEEE 1394 bus 114 (col. 5, line 54-col. 6, line 6 and

lines 28-45), which is the transmission line coupled to DTV 102, DVD 108, DVCR 110,

etc.;

where the DTV 102 device is operable to receive from H/DHCP 150/106 a video

signal via satellite and Direct Broadcast Satellite Services (DBSS) 104 to be transmitted

to DTV 102 Screen or Display Unit and control and command information "non-video

signal" (col. 7, lines 3-7 and lines 39-51) to be transmitted to the mouse, and convert

each of the video signal and control and command information into a format suitable for

transmission to the DVD 108, DVCR 110, etc.;

where the DTV 102 is operable to transmit the converted video signal and the

converted control and command information to DVD 108, DVCR 110, etc., via 1394 bus

114; and where DVD 108, DVCR 110, etc., is operable to receive the converted video

signal and converted control and command information from DTV 102 to provide the

video signal and control and command information to the DTV 102's Screen or display

unit and the mouse device, respectively; note that the external network signals, such as video/audio signals received at DBSS 104 and IP signals received at Internet Proxy 1104, and other signals generated at the various home devices, are convert to IEEE 1394 format, protocol or standards, to enable signals to be communicated, over the 1394 cabling network, between devices connected to NW 100 (col. 4, lines 48-63 and col. 5, line 54-col. 6, line 10); furthermore video/audio and control/command signals are transmitted over the 1394 NW bus 114 to all video/audio devices connected to NW 100 (col. 19, lines 43-65, col. 20, lines 21-30 and lines 45-62); and

Humpleman further teaches that the DTV 102 behaves as client and the home devices DVCR, DVD, DSS-NIU, etc., behaves as servers "computing systems" (col. 6, lines 58-64) and any DTV 102 (Dad's DTV, etc.,) can control set of devices or servers or "computing systems" (DVCR, DVD, VCR, etc.,) common located in a specific room or one location (figs. 7, 10-11 and col. 14, lines 20-43).

As to claim 77, Humpleman further discloses where the CC signals comprise non-video signals (col. 5, lines 18-32 and lines 54-65).

Claim 78 is met as previously discussed with respect to claim 2.

Claim 79 is met as previously discussed with respect to claim 3.

Claim 80 is met as previously discussed with respect to claim 4.

Claim 81 is met as previously discussed with respect to claim 3.

Claim 82 is met as previously discussed with respect to claim 2.

Claims 83-84 are met as previously discussed with respect to claims 8-9.

Claim 85 is met as previously discussed with respect to claim 10.

Claims 86-87 are met as previously discussed with respect to claims 9-10.

Claim 89 is met as previously discussed with respect to claim 13.

Claim 90 is met as previously discussed with respect to claims 15.

Claim 91 is met as previously discussed with respect to claim 3.

Claims 92-93 are met as previously discussed with respect to claims 17-18.

Claim 94 is met as previously discussed with respect to claim 3.

Claim 95 is met as previously discussed with respect to claims 6-7.

Claim 97 is met as previously discussed with respect to claim 22.

As to claims 98-99, note the **Humpleman et al** figure 1, disclose a method and system for commanding and controlling diverse home devices and further disclose a computer network, comprising:

the claimed "a plurality of interconnected nodes, each one of the plurality of nodes a corresponding data terminal equipment (DTE) device coupled thereto,..." are met by IEEE 1394 bus 114 Nodes of Network (1394 Nodes) 100 (fig. 1, 7, col. 4, lines 48-59 and col. 14, lines 20-32), which are interconnecting nodes, each one of the plurality of nodes having a corresponding Digital Television (DTV) 102 (Dads TV; Basement TV; Jims TV, PCs, etc., figs. 7-10) and other devices (Digital Video Device (DVD) 108, Digital Video Cassette (DVCR) 110, DSS-NIU 104) "data terminal equipment (DTE) device" coupled thereto (col. 5, line 66-col. 6, line 13); note that Devices in the various Rooms with display capability (Dads TV; Basement TV; Jims TV, PCs, etc., col. 19, lines 11-31) acts as a client, human interface and session manager to remotely control functions of any devices (or servers) on Network (NW) 100 (col. 6, lines

58-64 and col. 15, lines 23-28), where a user arranges device images in groups

according to respective home device placement, e.g., room by room

transmitting/receiving audio/video (AV) and control/command (CC) signals to/from

devices connected to NW 100 (col. 5, lines 54-59), where DTV 102 "at least one of the

corresponding DTE devices," comprises:

the claimed "a computing system located at a first location" is met by Home

Server 150 or DHCP Server 106 (H/DHCP 150/106) (col. 7, lines 1-11, col. 11, lines 26-

41 and col. 14, line 20-33), which is a computing system located in a first location

(Room-1);

the claimed "a human interface located remotely from the first location," is met by

DTV 102 or a Personal Computer (PC) (col. 6, lines 15-27 and 58-64), which is located

remotely in another location (Room-2) from Room-1 and provides "human interface" to

Network (NW) 100, where DTV 102 or PC comprising a screen display unit "display

device" and a mouse or other point-and-click device "an input/output ("I/O") device" (col.

5, lines 21-32, col. 7, lines 39-51 and col. 8, lines 47-53), note that the DTV 102 is

coupled to Screen or Display Unit of DTV 102 and also to a mouse and DTV 102

remotely controls Devices (or servers) connected to NW 100;

the claimed "a first interface device operable coupled to the computing system;"

is met by DTV 102 (col. 6, lines 15-22), note that DTV 102 is the first interface device

coupled to H/DHCP 150/106 and includes a Screen or display "a human interface" for

displaying HTML pages and also, a receiver/transmitter (col. 7, lines 1-5, lines 18-24

and lines 39-51) which receives and interprets the HTML files associated with DVD 108,

DVCR 110, etc.;

the claimed "a second interface device operable to couple to the display device

and the I/O device..." is met by DVD 108 or DVCR 110 (col. 6, lines 7-13 and lines

58-64), which is a second interface device coupled to Screen or Display Unit and mouse

of DTV 102; and

the claimed "at least one transmission line operable to couple the first and

second interface devices;" is met by IEEE 1394 bus 114 (col. 5, line 54-col. 6, line 6 and

lines 28-45), which is the transmission line coupled to DTV 102, DVD 108, DVCR 110,

etc.;

where the DTV 102 device is operable to receive from H/DHCP 150/106 a video

signals "video information," via satellite and Direct Broadcast Satellite Services (DBSS)

104, and control and command signals "non-video information," "human interface

signals" generated by H/DHCP 150/106 and convert video signals and the control and

command signals into a format suitable for transmission to DVD 108, DVCR 110, etc.;

or other DTVs 102 via 1394 bus 114 (col. 7, lines 3-7 and lines 39-51);

where the other DTVs 102, PCs or DVD 108, DVCR 110, etc., is operable to

receive the video, control and command signals from DTV 102 and convert the video,

control and command signals into a format suitable for transmission to other DTVs 102

or PCs with display capability (col. 19, lines 43-65, col. 20, lines 21-30 and lines 45-62);

note that the external network signals, such as video/audio signals received at DBSS

104 and IP signals received at Internet Proxy 1104, and other signals generated at the

various home devices, are convert to IEEE 1394 format, protocol or standards, to

enable signals to be communicated, over the 1394 cabling network, between devices

connected to NW 100 (col. 4, lines 48-63 and col. 5, line 54-col. 6, line 10); furthermore

video/audio and control/command signals are transmitted over the 1394 NW bus 114 to

all video/audio devices connected to NW 100 (col. 19, lines 43-65, col. 20, lines 21-30

and lines 45-62); and

Humpleman further teaches that the DTV 102 behaves as client and the home

devices DVCR, DVD, DSS-NIU, etc., behaves as servers "computing systems" (col. 6,

lines 58-64) and any DTV 102 (Dad's DTV, etc.,) can control set of devices or servers or

"computing systems" (DVCR, DVD, VCR, etc.,) common located in a specific room or

one location (figs. 7, 10-11 and col. 14, lines 20-43).

Claim 103 is met as previously discussed with respect to claim 3.

Claim 104 is met as previously discussed with respect to claim 2.

Claim 105 is met as previously discussed with respect to claims 3.

Claim 106 is met as previously discussed with respect to claim 4.

Claim 107 is met as previously discussed with respect to claims 6-7.

Claim 108 is met as previously discussed with respect to claim 32.

Claim 109 is met as previously discussed with respect to claims 33.

Claim 110 is met as previously discussed with respect to claim 33.

Claim 111 is met as previously discussed with respect to claim 3.

Claim 112 is met as previously discussed with respect to claim 4.

Claim 113 is met as previously discussed with respect to claim 2.

Claim 114 is met as previously discussed with respect to claims 8-9.

Claim 115 is met as previously discussed with respect to claim 33.

Claim 116 is met as previously discussed with respect to claims 32-33.

Claim 117 is met as previously discussed with respect to claims 32-33.

Claim 118 is met as previously discussed with respect to claim 32.

Claim 119 is met as previously discussed with respect to claim 32.

Claim 120 is met as previously discussed with respect to claims 32.

Claim 121 is met as previously discussed with respect to claim 9.

Claim 122 is met as previously discussed with respect to claim 32.

Claim 124 is met as previously discussed with respect to claim 4.

Claim 125 is met as previously discussed with respect to claim 17.

Claim 126 is met as previously discussed with respect to claim 2.

Claim 127 is met as previously discussed with respect to claim 3.

Claim 128 is met as previously discussed with respect to claim 4.

Claim 130 is met as previously discussed with respect to claim 22.

Claim 114 is met as previously discussed with respect to claim 3.

Claim 132 is met as previously discussed with respect to claim 1.

Claim Rejections - 35 USC § 103

4.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for

all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5.   Claims 12 and 47, are rejected under 35 U.S.C. 103(a) as being

unpatentable over **Humpleman et al (6,603,488)** as applied to claims 1 and 46

respectively above, and in view of **Gorman (6,141,356)**

As to claim 12 and 47, Humpleman fails to explicitly teach where the

transmission line coupling devices is a 4-wire cable.

However, note the **Gorman** reference figure 3, discloses a home wireline and

wireless network, where the wireline network uses 2-wire and 4-wire telephone cabling

system distribution of both high-speed data service (digital computer, video and

multimedia data) and lower speed data service (POTS voice telephone signals)

throughout a customer premises (col. 2, lines 35-57, col. 8, lines 13-34 and lines 57-67).

Therefore it would have been obvious to one of ordinary skill in the art at the time

of the invention to incorporate the teaching of Gorman into the system of Hampleman to

provide 2-wire and 4-wire telephone cabling transmission line and provide services for

users with telephone lines without the cost of installing new wiring for the network.

6.   Claims 74-76 and 100-102, are rejected under 35 U.S.C. 103(a) as being

unpatentable over **Humpleman et al (6,603,488)** as applied to claims 73 and 99

respectively above, and in view of Papanicolaou et al (Re. 36,707).

As to claims 74-76 and 100-102, Humpleman fails to explicitly teach where the

signal comprises an analog video signal, comprising Red signal, Blue signal and Green

signal and further comprises horizontal sync signal and vertical sync signal.

However, note the Papanicolaou reference figures 1 and 10, discloses video telephony dialing system distribution analog video signals in NTSC format in home and where the analog video signals comprises Red signal, Blue signal and Green signal and further comprises horizontal sync signal and vertical sync signal (col. 3, lines 40-67, col. 13, lines 45-62 and col. 14, line 45-col.15, line 23).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teaching Papanicolaou into the system of Hampleman to provide analog video for users with analog television receivers, and provide services to all users, regardless of the user's terminal receiving device.

Conclusion

7.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Annan Q. Shang** whose telephone number is **571-272-7355**. The examiner can normally be reached on **700am-400pm**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Christopher S. Kelley** can be reached on **571-272-7331**. The fax phone number for the organization where this application or proceeding is assigned is **703-872-9306.**

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the **Electronic Business Center (EBC) at 866-217-9197 (toll-free).**

Annan Q. Shang

VIVEK SRIVASTAVA
PRIMARY EXAMINER